

# PIRANHAFLEX™

## HYDRAULICS

Thermoplastic Hydraulic Hose & Fittings



**KURIYAMA**  
OF AMERICA, INC.

[kuriyama.com](http://kuriyama.com)



**HOSE PRODUCTS, INC.**  
A Kuriyama Group Company

EDITION 0924



## A HISTORY OF QUALITY AND INNOVATION

Designed, developed and manufactured at Piranha<sup>®</sup> Hose Products, in Cadillac, Michigan, USA, the line of Piranhaflex<sup>™</sup> Hydraulic Hose and Fittings incorporates over six decades of high-pressure thermoplastic hose manufacturing experience.



Piranhaflex Hoses are manufactured at Piranha's 178,000 sq. ft. facility in Cadillac, MI.

Founded in 1945 under the name Polymer Corporation, Piranha has a rich history of innovation and a commitment to providing high quality products. Piranha Sewer Hose is regarded as the engineered industry leader, and many of those same technological advancements contributed to the development of Piranhaflex Hydraulic Hose.

## INNOVATION AT WORK

With a focus on customer driven innovation, the Piranha Engineering Team is constantly developing new, value-add hose technologies, such as the ability to perform at extremely cold temperatures; their slick, Slither<sup>®</sup> covers and Piranha's proprietary kink resistant technology.

**Extreme Low Temp. Flex** – All Piranhaflex R7 and R8 hoses are designed to flex at temperatures as low as -65°F, well exceeding SAE low temperature requirements, making them well suited for equipment used in cold storage applications such as poultry plants.

**Slither<sup>®</sup> Cover** – Piranhaflex "Plus Slither", PFP Series hoses, incorporate Piranha's "Slither" cover additive. This allows the hoses to slide more easily through tight spaces commonly found in the long hose bundles on aerial equipment, which includes bucket trucks and scissor lifts — greatly reducing time-consuming installation processes. In addition, the Slither cover further increases abrasion resistance by lowering the hose's coefficient of friction.

**Kink Resistant Technology** – Piranhaflex PF267 and PF528 Series hoses incorporate Piranha's proprietary, engineered design technology, exhibiting up to 53% better resistance to kink initiation, well outperforming traditional R7 & R8 designs in especially tight bend radius applications such as over the sheaves and pulleys on forklift masts.



PF267 Series vs. similar style R7 hose

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.

## THE POWER OF POLYURETHANE

Polyurethane hydraulic hoses are highly regarded for their better abrasion resistance, smaller bend radii and lighter weight, when compared to rubber hydraulic hoses. In addition, their ability to withstand weathering and ozone; and resistance to repeated stretching and compressive forces, even at sub-zero temperatures; makes them a great choice for highly demanding applications.

Polyurethane does not dry rot and will not swell, flake or otherwise degrade after contact to most hydraulic fluids or oils, eliminating the possibility of system contamination.

**Abrasion Resistance** – Polyurethane resists abrasion better than rubber due to its low coefficient of friction and higher tear strength. Piranhaflex hoses with Slither® polyurethane covers possess an even higher level of abrasion resistance due to their enhanced lubricity.

**Lighter Weight** – Piranhaflex hydraulic hoses range 30-50% lighter in weight than similar rubber hydraulic hoses.

**Smaller Bend Radius** – Piranhaflex hydraulic hoses are tested at 1/2" SAE 517 bend radius requirements, making them especially well-suited for applications with tight bends. Piranhaflex hoses incorporating Piranha's proprietary Kink Resistant Technology possess an even higher level of kink resistance.

## ISO:9001 QUALITY ASSURANCE SAE TESTING

Piranhaflex Hydraulic Hose and Fittings are subjected to rigorous testing, unmatched in the industry; including force to bend testing, fitting retention testing, abrasion testing, hose kink initiation testing; as well as meeting and exceeding the relevant ANSI and SAE requirements.

Piranhaflex hoses are validated to the relevant SAE J517 standards at Piranha's state-of-the-art, ISO 9001 registered quality assurance testing lab, following approved SAE J343 testing procedures.

### IMPULSE (PRESSURIZED):

SAE J517	Pressure	Cycles
100R7	125% x WP	>150,000
100R8	133% x WP	>200,000

### LOW TEMPERATURE:

SAE J517	Temperature
100R7	-65°F*
100R8	-65°F*

\*Hoses exceed SAE -40°F low temperature flexibility requirement.



Piranhaflex hoses are rigorously tested at Piranha's ISO 9001 quality assurance testing lab.

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**NEW**  
One-Piece  
Fittings

**HOSE AND FITTING COMPATIBILITY**

Series Number	SAE	One-Piece P Series		Two-Piece A Series (ferrule PN#) Carbon Steel
		Carbon Steel	Stainless Steel	
PF151	R3	-	-	✓ (PFR)
PF415CP	R3	-	-	✓ (PFR)
PF354	R7	✓*	✓*	✓ (PFR)
PFP354	R7	✓	✓*	✓ (PFR)
PF267	R7	✓*	✓*	✓ (PFR)
PF628	R8	✓	✓*	-
PF528	R8	-	-	✓ (AFX)
PF427	R18	✓	✓*	✓ (PFR)
PF321TC	-	✓*	✓	✓ (PFR)
PF344LMT	-	✓*	✓*	✓ (PFR or AFX)*

\* Dependent on hose size

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## PF151R3 Series

SAE 100R3\* Hydraulic Hose

\*meets or exceeds

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PF151R3](https://koe.link/PF151R3)



### COMPLIANCE DETAILS

Compliances	Size
 SAE 100R3	All sizes

### FEATURES AND ADVANTAGES

- **Abrasion Resistant** – Polyurethane cover outlasts rubber versions in applications where the hose rubs against abrasive surfaces.
- **Lightweight** – Approximately 45% lighter weight than similar rubber hoses.
- **Pin Pricked Cover** – Allows for the escape of gasses, if necessary, eliminating risk of cover blistering.

### GENERAL APPLICATIONS

- Lower pressure hydraulic applications
- Industrial equipment and vehicles (construction, agriculture, material handling, etc.)

### CONSTRUCTION

**Tube** – Nylon

**Reinforcement** – Braided high tensile strength fibers

**Cover** – Pin pricked, abrasion resistant, conductive polyurethane

### SERVICE TEMPERATURE RANGE

-40°F (-40°C) to +200°F (+93°C) for petroleum based hydraulic fluids



### APPROVED FITTINGS

- A Series Two-Piece (PFR ferrule)

### PACKAGING

- Boxed 250' long reels
- Max two pieces per reel, minimum pc. length 50'

Series Number	Size Code	ID		OD		Max. Working Pressure (psi)	Min. Bending Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		One-Piece		Two-Piece
PF151R3	04	1/4	6.4	0.410	10.4	1500	1.50	38.1	0.05	Carbon Steel	Stainless Steel	Ferrule Non-Skive
PF151R3	05	5/16	8.1	0.520	13.2	1500	1.75	44.5	0.07	-	-	PFR3-05
PF151R3	06	3/8	9.7	0.610	15.5	1250	2.50	63.5	0.10	-	-	PFR3-06
PF151R3	08	1/2	13.1	0.750	19.1	1000	3.00	76.2	0.12	-	-	PFR3-08

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## PF415CP Series

SAE 100R3\* Constant Pressure Hydraulic Hose

*\*meets or exceeds*

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PF415CP](https://KOA.link/PF415CP)



### GENERAL APPLICATIONS

- Lower pressure hydraulic applications
- Industrial equipment and vehicles, such as used in construction, agriculture and material handling

### CONSTRUCTION

**Tube** – Nylon

**Reinforcement** – Braided high tensile strength fibers

**Cover** – Pin pricked, abrasion resistant, conductive polyurethane

### SERVICE TEMPERATURE RANGE

-40°F (-40°C) to +200°F (+93°C) for petroleum based hydraulic fluids



### FEATURES AND ADVANTAGES

- **Isobaric** - Consistent 1,500 PSI working pressure regardless of hose size. Eliminates user risk of hose misapplication within a given pressure system.
- **Abrasion Resistant** – Polyurethane cover outlasts rubber versions in applications where the hose rubs against abrasive surfaces.
- **Lightweight** – Approximately 45% lighter weight than similar rubber hoses.
- **Pin Pricked Cover** – Allows for the escape of gasses should they potentially become trapped between the layers, preventing instances of cover blistering.

### APPROVED FITTINGS

- A Series Two-Piece (PFR ferrule)

### PACKAGING

- Boxed 250' long reels
- Max two pieces per reel, minimum pc. length 50'

Series Number	Size Code	ID		OD		Max. Working Pressure (psi)	Min. Bending Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		One-Piece	Two-Piece	
PF415CP	04	1/4	6.4	0.410	10.4	1500	1.50	38.1	0.05	-	-	PFR3-04
PF415CP	05	5/16	8.1	0.520	13.2	1500	1.75	44.5	0.07	-	-	PFR3-05
PF415CP	06	3/8	9.7	0.610	15.5	1500	2.50	63.5	0.10	-	-	PFR3-06
PF415CP	08	1/2	13.1	0.750	19.1	1500	3.00	76.2	0.12	-	-	PFR3-08

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PF354**



**MADE IN THE  
USA**



**GOOD DOWN TO  
-65°F**

### COMPLIANCE DETAILS

Compliances	Size
REACH <sup>^</sup>	All sizes
SAE 100R7	All sizes
SAE J517	All sizes

<sup>^</sup>NC Series (orange) only

### APPROVED FITTINGS\*

- P Series One-Piece Carbon Steel
- P Series One-Piece Stainless
- A Series Two-Piece (PFR ferrule)

\*Dependent on hose size

### PACKAGING

- Boxed 250' reels or boxed 50' coils
- Max two pieces per reel, minimum pc. length 50'

## PF354 Series PF354NC Series

SAE 100R7 Hydraulic Hose (ANSI A92.2)

### GENERAL APPLICATIONS

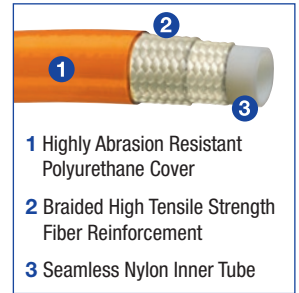
- Industrial equipment and vehicles (construction, agriculture, material handling, etc.)
- Aerial equipment (PFP354NC only)
- Hydraulic oil and lubrication lines

### CONSTRUCTION

Tube – Nylon

Reinforcement – Braided high tensile strength fibers

Cover – Pin pricked, abrasion resistant polyurethane. Available with conductive black cover (PF354), or non-conductive “NC”, orange cover (PF354NC series)



### SERVICE TEMPERATURE RANGE

-65°F (-54°C) to +200°F (+93°C) for petroleum based hydraulic fluids

### FEATURES AND ADVANTAGES

- **Abrasion Resistant** – Polyurethane cover outlasts rubber versions in applications where the hose rubs against abrasive surfaces.
- **Lightweight** – Approximately 37% lighter weight than similar rubber hoses.
- **Low Temperature Flex** – Designed to flex at temperatures as low as -65°F; well suited for cold storage applications.
- **Meets ANSI A92.2 (PF354NC Series only)** – Meets ANSI insulating requirement for aerial devices used in areas of high electricity. Tested to less than 50 microamperes leakage when subjected to 75,000 volts/ft. for 5 min.
- **Pin Pricked Cover (PF354 Series Only)** – Allows for the escape of gasses, if necessary, eliminating risk of cover blistering.

Series Number	Size Code	ID		OD		Max. Working Pressure (psi)	Min. Bending Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		One-Piece	Two-Piece	
PF354/PF354NC	02	1/8	3.6	0.322	8.2	3000	0.75	19	0.03	F02NPT2	-	-
PF354/PF354NC	03	3/16	4.8	0.415	10.5	3000	0.75	19	0.05	-	P-03XX-XXXX-SS	PFR-03
PF354/PF354NC	04	1/4	6.4	0.496	12.6	2750	1.50	38	0.06	P-04XX-XXXX	P-04XX-XXXX-SS	PFR-04
PF354/PF354NC	05	5/16	8.1	0.580	14.7	2500	1.75	44	0.08	P-05XX-XXXX	-	PFR7-05
PF354/PF354NC	06	3/8	9.7	0.650	16.5	2250	2.00	51	0.11	P-06XX-XXXX	-	PFR-06
PF354/PF354NC	08	1/2	13.1	0.834	21.2	2000	3.00	76	0.16	P-08XX-XXXX	-	PFR-08
PF354/PF354NC	12	3/4	19.1	1.050	26.7	1250	6.00	152	0.22	-	-	PFR-12
PF354/PF354NC <sup>#</sup>	16	1	25.4	1.360	34.5	1000	3.00	203	0.35	-	-	AFX-16

<sup>#</sup>Non-stocked size. Minimum order quantity of 5,000 feet generally applies. Contact Kuriyama Customer Service for details.

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PFP354



## COMPLIANCE DETAILS

Compliances	Size
 REACH^	All sizes
 SAE 100R7	All sizes
 SAE J517	All sizes

^NC Series (orange) only

## APPROVED FITTINGS\*

- P Series One-Piece Carbon Steel
- P Series One-Piece Stainless
- A Series Two-Piece (PFR ferrule)

\*Dependent on hose size

## PACKAGING

- Boxed 250' reels or boxed 50' coils
- Maximum two pieces per 250' reel, minimum 50' piece length

## PFP354 Series PFP354NC Series

SAE 100R7 Hydraulic Hose + Slither® Cover

### GENERAL APPLICATIONS

- Industrial equipment and vehicles (construction, agriculture, material handling, etc.)
- Aerial equipment (PFP354NC only)
- Hydraulic oil and lubrication lines

### CONSTRUCTION

Tube – Nylon

Reinforcement – Braided high tensile strength fibers

Cover – Pin pricked, abrasion resistant polyurethane with Slither® additive. Available with conductive black cover (PFP354), or non-conductive “NC”, orange cover (PFP354NC series).



### SERVICE TEMPERATURE RANGE

-65°F (-54°C) to +200°F (+93°C) for petroleum based hydraulic fluids

### FEATURES AND ADVANTAGES

- **Slither® Cover** – Slick, Slither cover helps hose slide through tight spaces such as sheaves, pulleys and bundles. Especially helpful routing through long lengths of hose bundles on aerial equipment such as scissor lifts and bucket trucks.
- **Abrasion Resistant** – Polyurethane cover outlasts rubber versions in applications where the hose rubs against abrasive surfaces.
- **Lightweight** – Approximately 37% lighter weight than similar rubber hoses.
- **Low Temperature Flex** – Designed to flex at temperatures as low as -65°F; well suited for cold storage applications.
- **Pin Pricked Cover (PFP354 Series Only)** – Allows for the escape of gasses, if necessary, eliminating risk of cover blistering.

Series Number	Size Code	ID		OD		Max. Working Pressure (psi)	Min. Bending Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		One-Piece	Two-Piece	
PFP354/ PFP354NC	04	1/4	6.4	0.496	12.6	2750	1.50	38	0.06	P-04XX-XXXX	P-04XX-XXXX-SS	PFR-04
PFP354/ PFP354NC	06	3/8	9.7	0.650	16.5	2250	2.00	51	0.11	P-06XX-XXXX	-	PFR-06
PFP354/ PFP354NC	08	1/2	13.1	0.834	21.2	2000	3.00	76	0.16	P-08XX-XXXX	-	PFR-08

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PF267**



**MADE IN THE  
USA**



**GOOD DOWN TO  
-65°F**

### COMPLIANCE DETAILS

Compliances	Size
ANSI 92.28 <sup>†</sup>	3/16" – 1/2"
REACH <sup>^</sup>	All sizes
SAE 100R7	All sizes
SAE J517	All sizes

<sup>†</sup> For vehicle mounted aerial devices

<sup>^</sup> NC Series (orange) only

### APPROVED FITTINGS\*\*

- P Series One-Piece Carbon Steel
- P Series One-Piece Stainless
- A Series Two-Piece (PFR ferrule)

\*\*Dependent on hose size

### PACKAGING

- Boxed 250' reels or boxed 50' coils
- Max two pieces per reel, minimum pc. length 50'

## PF267 Series / PF267NC Series

### SAE 100R7 Hydraulic Hose (ANSI A92.2) with Kink Resistant Technology

#### GENERAL APPLICATIONS

- Industrial equipment and vehicles (construction, agriculture, material handling, etc.)
- Aerial equipment (PF267NC only)
- Hydraulic oil and lubrication lines

#### CONSTRUCTION

**Tube** – Copolyester

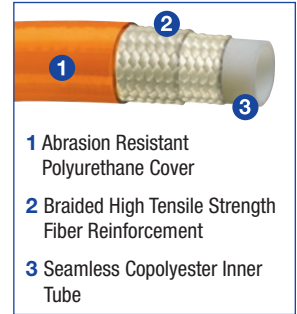
**Reinforcement** – Braided high tensile strength fibers

**Cover** – Pin pricked, abrasion resistant polyurethane, in conductive black (PF267), or non-conductive orange (PF267NC series) versions

#### SERVICE TEMPERATURE RANGE

-65°F (-54°C) to +200°F (+93°C) for petroleum based hydraulic fluids

\*Maximum 140°F (+60°C) for water and phosphate-ester based hydraulic fluids



#### FEATURES AND ADVANTAGES

- **Kink Resistant Technology** – Proprietary design shown to exhibit 53% better resistance to kink initiation, and 16% less force to bend, versus competitive 100R7 hose in comparison testing.
- **Abrasion Resistant** – Polyurethane cover outlasts rubber versions in applications where the hose rubs against abrasive surfaces.
- **Low Temperature Flex** – Designed to flex at temperatures as low as -65°F; well suited for cold storage applications.
- **Meets ANSI A92.2 (PF267NC Series Only)** – Meets ANSI insulating requirement for aerial devices used in areas of high electricity. Tested to less than 50 microamperes leakage when subjected to 75,000 volts/ft. for 5 min.
- **Pin Pricked Cover (PF267 Series Only)** – Allows for the escape of gasses, if necessary, eliminating risk of cover blistering.

Series Number	Size Code	ID		OD		Max. Working Pressure (psi)	Min. Bending Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		One-Piece	Two-Piece	
PF267/PF267NC <sup>#</sup>	02	1/8	3.2	0.322	8.18	3000	0.75	19	0.04	F02NPT2	-	-
PF267/PF267NC	03	3/16	4.8	0.415	10.5	3000	0.75	19	0.05	-	P-03XX-XXXX-SS	PFR-03
PF267/PF267NC	04	1/4	6.4	0.496	12.6	2750	1.50	38	0.07	P-04XX-XXXX	P-04XX-XXXX-SS	PFR-04
PF267/PF267NC	05	5/16	8.1	0.580	14.7	2500	1.75	44	0.09	P-05XX-XXXX	-	PFR7-05
PF267/PF267NC	06	3/8	9.7	0.651	16.5	2250	2.00	51	0.12	P-06XX-XXXX	-	PFR-06
PF267/PF267NC	08	1/2	13.1	0.834	21.2	2000	3.00	76	0.17	P-08XX-XXXX	-	PFR-08
PF267/PF267NC	12	3/4	19.1	1.050	26.7	1250	6.00	152	0.24	-	-	PFR-12
PF267/PF267NC <sup>#</sup>	16	1	25.4	1.360	34.5	1000	8.00	203	0.31	-	-	AFX-16

<sup>#</sup> Non-stocked size. Minimum order quantity of 5,000 feet generally applies. Contact Kuriyama Customer Service for details.

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PF628**



## COMPLIANCE DETAILS

Compliances	Size
 ANSI 92.2†	3/16" – 1/2"
 REACH^	All sizes
 SAE 100R8	All sizes
 SAE J517	All sizes

† For vehicle mounted aerial devices

^ NC Series (orange) only

## APPROVED FITTINGS\*\*

- P Series One-Piece Carbon Steel
- P Series One-Piece Stainless

\*\*Dependent on hose size

## PACKAGING

- Boxed 250' reels or boxed 50' coils
- Maximum two pieces per 250' reel, minimum 50' piece length

## PF628 Series PF628NC Series SAE 100R8 Hydraulic Hose

### GENERAL APPLICATIONS

- High pressure hydraulic applications
- Industrial equipment and vehicles (construction, agriculture, material handling, etc.)
- Aerial equipment (PF628NC only)
- Hydraulic oil and lubrication lines
- Hydraulic tools

### CONSTRUCTION

Tube – Copolyester

Reinforcement – Braided aramid fibers

Cover – Pin pricked, abrasion resistant polyurethane, in conductive black (PF628), or non-conductive orange (PF628NC) versions

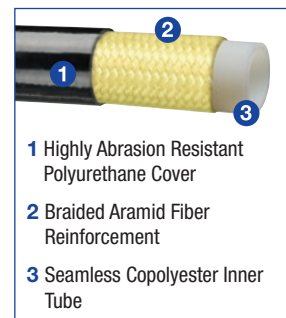
### SERVICE TEMPERATURE RANGE

-65°F (-54°C) to +200°F (+93°C) for petroleum based hydraulic fluids

\*Maximum 140°F (+60°C) for water and phosphate-ester based hydraulic fluids

### FEATURES AND ADVANTAGES

- **Abrasion Resistant** – Polyurethane cover outlasts rubber versions in applications where the hose rubs against abrasive surfaces.
- **Lightweight** – Approximately 37% lighter weight than similar rubber hoses.
- **Pin Pricked Cover (PF628 Series Only)** – Allows for the escape of gasses, if necessary, eliminating risk of cover blistering.
- **Low Temperature Flex** – Designed to flex at temperatures as low as -65°F; well suited for cold storage applications.



Series Number	Size Code	ID		OD		Max. Working Pressure (psi)	Min. Bending Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		One-Piece	Two-Piece	
PF628/PF628NC	04	1/4	6.5	0.485	12.3	5000	2.00	50	0.07	P-04XX-XXXX	P-04XX-XXXX-SS	-
PF628/PF628NC	06	3/8	9.7	0.630	16.0	4000	2.50	64	0.10	P-06XX-XXXX	-	-
PF628/PF628NC	08	1/2	12.9	0.820	20.8	3500	3.50	89	0.17	P-08XX-XXXX	-	-
PF628/PF628NC#	12	3/4	19.1	1.050	26.7	2250	4.50	114	0.20	-	-	-

# Non-stocked size. Minimum order quantity of 5,000 feet generally applies. Contact Kuriyama Customer Service for details.

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**KOA.link/  
PF528**



**MADE IN THE  
USA**



**GOOD DOWN TO  
-65°F**

### COMPLIANCE DETAILS

Compliances	Size
SAE 100R8	All sizes
REACH*	All sizes

\*NC Series (orange) only

### APPROVED FITTINGS

- A Series Two-Piece (AFX ferrule)

### PACKAGING

- Boxed 250' long reels
- Maximum two pieces per 250' reel, minimum 50' piece length

## PF528 Series / PF528NC Series

### SAE 100R8 Hydraulic Hose with Kink Resistant Technology

#### GENERAL APPLICATIONS

- High pressure hydraulic applications
- Industrial equipment and vehicles (construction, agriculture, material handling, etc.)
- Aerial equipment (PF528NC only)
- Hydraulic oil and lubrication lines
- Hydraulic tools

#### CONSTRUCTION

**Tube** – Nylon

**Reinforcement** – Braided, high tensile strength fibers

**Cover** – Pin pricked, abrasion resistant polyurethane, in conductive black (PF528), or non-conductive orange (PF528NC) versions

#### SERVICE TEMPERATURE RANGE

-65°F (-54°C) to +200°F (+93°C) for petroleum based hydraulic fluids

#### FEATURES AND ADVANTAGES

- **Kink Resistant Technology** – Proprietary design shown to exhibit 50% better resistance to kink initiation, and 17% less force to bend, versus competitive 100R8 hose in comparison testing.
- **Abrasion Resistant** – Polyurethane cover outlasts rubber versions in applications where the hose rubs against abrasive surfaces.
- **Lightweight** – Approximately 24% lighter weight than similar rubber hoses.
- **Low Temperature Flex** – Designed to flex at temperatures as low as -65°F; well suited for cold storage applications.
- **Pin Pricked Cover (PF528 Series Only)** – Allows for the escape of gasses, if necessary, eliminating risk of cover blistering.



Series Number	Size Code	ID		OD		Max. Working Pressure (psi)	Min. Bending Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		One-Piece	Two-Piece	
PF528/PF528NC^	03	3/16	4.8	0.475	12.1	5000	0.75	19	0.073	-	-	AFX-03
PF528/PF528NC	04	1/4	6.5	0.584	14.8	5000	2.00	50	0.112	-	-	AFX-04
PF528/PF528NC	06	3/8	9.7	0.750	19.1	4000	2.50	64	0.154	-	-	AFX-06
PF528/PF528NC	08	1/2	12.9	0.935	23.7	3500	3.50	89	0.236	-	-	AFX-08
PF528/PF528NC	12	3/4	19.1	1.220	30.9	2250	4.50	114	0.352	-	-	AFX-12
PF528/PF528NC#	16	1	25.4	1.620	41.1	2000	6.00	152	0.584	-	-	-

# Non-stocked size. Minimum order quantity of 5,000 feet generally applies. Contact Kuriyama Customer Service for details.

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.








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PF427**



## COMPLIANCE DETAILS

Compliances	Size
 REACH^	All sizes
 SAE 100R18	All sizes
 SAE J517	All sizes

^NC Series (orange) only

## APPROVED FITTINGS\*\*

- P Series One-Piece Carbon Steel
- P Series One-Piece Stainless
- A Series Two-Piece (PFR ferrule)

\*\*Dependent on hose size

## PACKAGING

- Boxed 250' reels or boxed 50' coils
- Maximum two pieces per 250' reel, minimum 50' piece length

## PF427 Series PF427NC Series

SAE 100R18 Constant Pressure Hydraulic Hose

### GENERAL APPLICATIONS

- High pressure hydraulic applications
- Industrial equipment and vehicles (construction, agriculture, material handling, etc.)
- Aerial equipment (PF427NC only)
- Hydraulic oil and lubrication lines
- Hydraulic tools

### CONSTRUCTION

Tube – Copolyester

Reinforcement – Braided high tensile strength fibers

Cover – Pin pricked, abrasion resistant polyurethane, in conductive black (PF427), or non-conductive orange (PF427NC series) versions

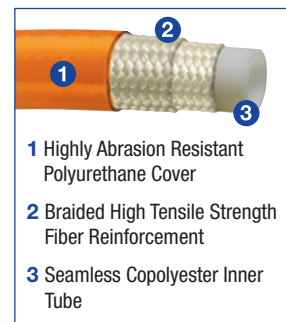
### SERVICE TEMPERATURE RANGE

-65°F (-54°C) to +200°F (+93°C) for petroleum based hydraulic fluids.

\*Maximum 140°F (+60°C) for water and phosphate-ester based hydraulic fluids.

### FEATURES AND ADVANTAGES

- **Isobaric** – Consistent 3,000 PSI working pressure regardless of hose size. Eliminates user risk of hose misapplication within a given pressure system.
- **Abrasion Resistant** – Polyurethane cover outlasts rubber versions in applications where the hose rubs against abrasive surfaces.
- **Lightweight** – Approximately 32% lighter weight than similar rubber hoses.
- **Low Temperature Flex** – Designed to flex at temperatures as low as -65°F; well suited for cold storage applications.
- **Pin Pricked Cover (PF427 Series Only)** – Allows for the escape of gasses, if necessary, eliminating risk of cover blistering.



Series Number	Size Code	ID		OD		Max. Working Pressure (psi)	Min. Bending Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		One-Piece	Two-Piece	
PF427/PF427NC	04	1/4	6.4	0.496	12.7	3000	1.50	38	0.06	P-04XX-XXXX	P-04XX-XXXX-SS	PFR-04
PF427/PF427NC	06	3/8	9.7	0.650	16.5	3000	2.00	51	0.11	P-06XX-XXXX	-	PFR-06
PF427/PF427NC	08	1/2	13.1	0.834	21.1	3000	3.00	76	0.16	P-08XX-XXXX	-	PFR-08

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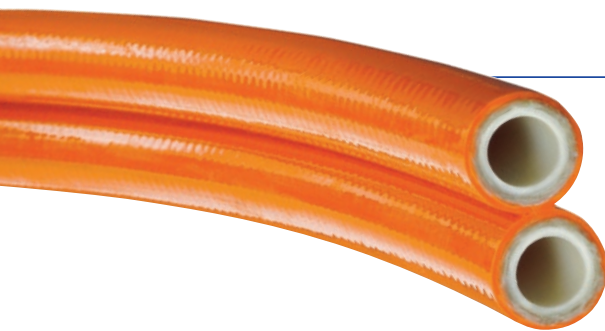


## Available Twin Line Versions



Series / Color	Part Number	Packaging	Approximate Weight (lbs/ft)
<b>PF354TL SERIES NYLON TUBE/BLACK COVER 100R7 TWIN LINE HOSES</b>			
	PF354TL-04-250R	250' Reel	0.10
	PF354TL-06-250R	250' Reel	0.20
	PF354TL-08-250R	250' Reel	0.32
<b>PF354NCTL SERIES NYLON TUBE/ORANGE COVER NON-CONDUCTIVE 100R7 TWIN LINE HOSES</b>			
	PF354NCTL-04-250R	250' Reel	0.10
	PF354NCTL-06-250R	250' Reel	0.20
	PF354NCTL-08-250R	250' Reel	0.32
<b>PF267TL SERIES POLYESTER TUBE/BLACK COVER 100R7 TWIN LINE HOSES</b>			
	PF267TL-04-50BX	50' Box	0.14
	PF267TL-06-50BX	50' Box	0.24
	PF267TL-08-50BX	50' Box	0.34
	PF267TL-04-250R	250' Reel	0.14
	PF267TL-06-250R	250' Reel	0.24
	PF267TL-08-250R	250' Reel	0.34
<b>PF267NCTL SERIES POLYESTER TUBE/ORANGE COVER 100R7 TWIN LINE HOSES</b>			
	PF267NCTL-04-50BX	50' Box	0.14
	PF267NCTL-06-50BX	50' Box	0.24
	PF267NCTL-08-50BX	50' Box	0.34
	PF267NCTL-04-250R	250' Reel	0.14
	PF267NCTL-06-250R	250' Reel	0.24
	PF267NCTL-08-250R	250' Reel	0.34
<b>PF528TL SERIES NYLON TUBE/BLACK COVER 100R8 TWIN LINE HOSES</b>			
	PF528TL-04-250R	250' Reel	0.22
	PF528TL-06-250R	250' Reel	0.31
	PF528TL-08-250R	250' Reel	0.47
<b>PF528NCTL SERIES NYLON TUBE/ORANGE COVER 100R8 TWIN LINE HOSES</b>			
	PF528NCTL-04-250R	250' Reel	0.22
	PF528NCTL-06-250R	250' Reel	0.31
	PF528NCTL-08-250R	250' Reel	0.47
<b>PF628TL SERIES POLYESTER TUBE/BLACK COVER 100R8 TWIN LINE HOSES</b>			
	PF628TL-04-250R	250' Reel	0.14
	PF628TL-06-250R	250' Reel	0.20
	PF628TL-08-250R	250' Reel	0.34
<b>PF628NCTL SERIES POLYESTER TUBE/ORANGE COVER NON-CONDUCTIVE 100R8 TWIN LINE HOSES</b>			
	PF628NCTL-04-250R	250' Reel	0.14
	PF628NCTL-06-250R	250' Reel	0.20
	PF628NCTL-08-250R	250' Reel	0.34

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## Piranha Bonding Capabilities

- All Piranha hose sized 1/4" through 2" ID are available to be bonded upon request.
- All non-standard products are treated as a made-to-order item and require a special quote.
- Split-Back ends are provided; typically as lengths of 12", 18" or 24" for ease of coupling and assembly.
- Intermittent bonding can also be provided in lengths to meet your applications needs.



Color coding of multi-line hose packs is available for identification and easy hook-ups.



Combinations of same or different ID's can be provided in a ribbon type configuration.

**CUSTOM TWIN AND MULTI LINE HOSES ARE AVAILABLE UPON REQUEST AND ARE MADE TO ORDER.**

**For more information contact Piranha Hose Products, Inc.**

Phone: (231) 779-4390 • Toll-free: (800) 250-5132 • Fax: (231) 779-4399

 [PiranhaHose.com](http://PiranhaHose.com)  [sales@piranhahose.com](mailto:sales@piranhahose.com)

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PF321TC](https://KOA.link/PF321TC)

## COMPLIANCE DETAILS

Compliances	Size
CGA, CGA*	All sizes
REACH	All sizes

\*Grade E Breathing Air Standards

## APPROVED FITTINGS\*\*

- P Series One-Piece Carbon Steel
- P Series One-Piece Stainless
- A Series Two-Piece (PFR ferrule)

\*\*Dependent on hose size

## PACKAGING

- Boxed 250' long reels
- Maximum two pieces per 250' reel, minimum 50' piece length

# PF321TC Series

Tank Charge – Compressor to tank fill hose

## GENERAL APPLICATIONS

- Compressed breathing air
- Stationary applications as a fill tank for breathing air tanks

## CONSTRUCTION

Tube – Copolyester

Reinforcement – Braided aramid fiber reinforcement

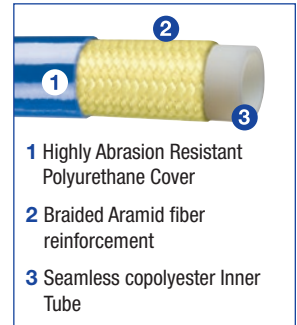
Cover – Pin pricked, abrasion resistant polyurethane

## SERVICE TEMPERATURE RANGE

-40°F (-40°C) to +150°F (+65.5°C)

## FEATURES AND ADVANTAGES

- **CGA Compliant** – Meets CGA Grade E Air Breathing Standards. Overall air quality depends on all system components.
- **Extraction Resistant** – Specially formulated tube minimizes extraction of particulates while in service.
- **Abrasion Resistant** – Polyurethane cover outlasts rubber versions in applications where the hose rubs against abrasive surfaces.
- **Lightweight** – Approximately 37% lighter weight than similar rubber hoses.
- **Pin Pricked Cover** – Allows for the escape of gasses, if necessary, eliminating risk of cover blistering.



Series Number	Size Code	ID		OD		Max. Working Pressure (psi)	Min. Bending Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		One-Piece	Two-Piece	
PF321TC	03	3/16	4.8	0.400	10.2	6000	1.50	38.1	0.06	-	P-03XX-XXXX-SS	PFR-03
PF321TC	04	1/4	6.4	0.485	12.3	6000	2.00	50.8	0.07	P-04XX-XXXX	P-04XX-XXXX-SS	PFR-04

- \* **NOTE**
- **NOT** for use with explosive gases such as pure oxygen and hydrogen.
  - **NOT** for use between regulator and breathing mask.

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## PF344LMT Series

### Low Moisture Transmission Hose


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PF344LMT**

#### COMPLIANCE DETAILS

Compliances Size

 REACH All sizes

#### APPROVED FITTINGS\*\*

- P Series One-Piece Carbon Steel
- P Series One-Piece Stainless
- A Series Two-Piece (PFR or AFX ferrule)

\*\*Dependent on hose size

#### PACKAGING

- Boxed 250' long reels
- Maximum two pieces per 250' reel, minimum 50' piece length

#### GENERAL APPLICATIONS

- Conveying urethane foam components
- Deionized water transfer
- Distilled water transfer
- Pure water transfer
- Low moisture transmission applications

#### CONSTRUCTION

Tube – Polyolefin

Reinforcement – Braided, high tensile strength fibers

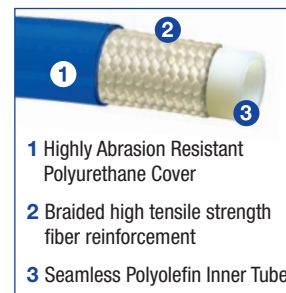
Cover – Abrasion resistant polyurethane

#### SERVICE TEMPERATURE RANGE

-40°F (-40°C) to +160°F (+71.1°C)

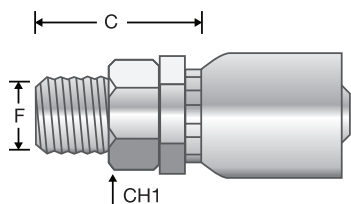
#### FEATURES AND ADVANTAGES

- **Transmission Resistant** – Specially formulated tube minimizes extraction of particulates and minimizes moisture transmission while in service.
- **Abrasion Resistant** – Polyurethane cover outlasts rubber versions in applications where the hose rubs against abrasive surfaces.
- **Lightweight** – Approximately 37% lighter weight than similar rubber hoses.



Series Number	Size Code	ID		OD		Max. Working Pressure (psi)	Min. Bending Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		One-Piece	Two-Piece	
PF344LMT	04	1/4	6.4	.500	12.7	2750	2.5	63.5	0.06	P-04XX-XXXX	P-04XX-XXXX-SS	PFR-04
PF344LMT	06	3/8	9.7	.650	16.5	2250	3.0	76.2	0.11	P-06XX-XXXX	-	PFR-06
PF344LMT	08	1/2	13.1	.830	21.1	2000	4.0	101.6	0.16	P-08XX-XXXX	-	PFR-08
PF344LMT	12	3/4	19.1	1.18	30.0	1500	5.0	127.0	0.28	-	-	AFX-12
PF344LMT	16	1	25.4	1.46	37.1	1500	6.0	152.4	0.40	-	-	AFX-16

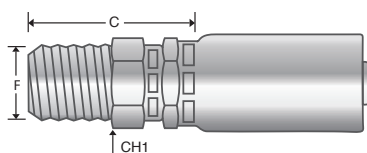
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**CARBON STEEL ONE-PIECE FITTINGS - P SERIES**

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P-MNPT**

**NPTF SOLID MALE 60° SEAT**

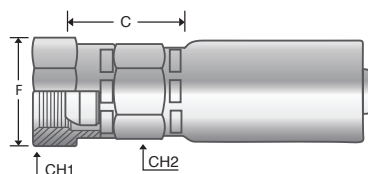
Part Number	Dash Size	Hose ID Size		F Thread		C Cut-Off Factor (mm)	Hex Dia. CH1 (mm)	Weight (lbs/each)
		(in)	(mm)	Dash Size	Size (in) - TPI			
P-0202-MNPT	02	1/8	3.2	02	1/8-27	18.0	12	0.04
P-0402-MNPT	04	1/4	6.4	02	1/8-27	26.7	12	0.11
P-0404-MNPT	04	1/4	6.4	04	1/4-18	31.1	17	0.12
P-0406-MNPT	04	1/4	6.4	06	3/8-18	33.5	19	0.14
P-0504-MNPT	05	5/16	7.9	04	1/4-18	29.8	17	0.15
P-0604-MNPT	06	3/8	9.5	04	1/4-18	34.0	17	0.17
P-0606-MNPT	06	3/8	9.5	06	3/8-18	34.1	19	0.17
P-0608-MNPT	06	3/8	9.5	08	1/2-14	38.9	22	0.23
P-0806-MNPT	08	1/2	12.7	06	3/8-18	31.0	19	0.26
P-0808-MNPT	08	1/2	12.7	08	1/2-14	39.1	22	0.28


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P-MNPS**

**NPTF MALE SWIVEL 60° SEAT**

Part Number	Dash Size	Hose ID Size		F Thread		C Cut-Off Factor (mm)	Hex Dia. CH1 (mm)	Weight (lbs/each)
		(in)	(mm)	Dash Size	Size (in) - TPI			
P-0202-MNPS	02	1/8	3.2	02	1/8-27	31.0	13	0.06
P-0404-MNPS	04	1/4	6.4	04	1/4-18	45.0	17	0.16
P-0604-MNPS	06	3/8	9.5	04	1/4-18	46.8	17	0.19
P-0606-MNPS	06	3/8	9.5	06	3/8-18	47.7	19	0.23
P-0808-MNPS	08	1/2	12.7	08	1/2-14	52.8	22	0.35


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P-FPMS**

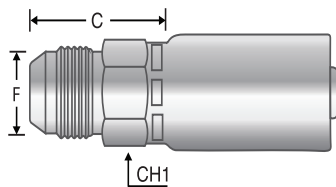
**NPSM FEMALE SWIVEL 60° SEAT**

Part Number	Dash Size	Hose ID Size		F Thread		C Cut-Off Factor (mm)	Hex Diameter		Weight (lbs/each)
		(in)	(mm)	Dash Size	Size (in) - TPI		CH1 (mm)	CH2 (mm)	
P-0404-FPMS	04	1/4	6.4	04	1/4-18	27.9	17	19	0.15
P-0606-FPMS	06	3/8	9.5	06	3/8-18	31.3	19	22	0.21
P-0808-FPMS	08	1/2	12.7	08	1/2-14	30.9	22	27	0.31

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## CARBON STEEL ONE-PIECE FITTINGS - P SERIES



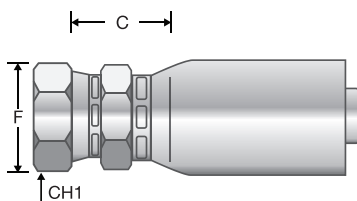
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P-MJIC](https://KOA.link/P-MJIC)

### JIC SOLID MALE 37° SEAT

Part Number	Dash Size	Hose ID Size		F Thread		C Cut-Off Factor (mm)	Hex Dia. CH1 (mm)	Weight (lbs/each)
		(in)	(mm)	Dash Size	Size (in) - TPI			
P-0404-MJIC	04	1/4	6.4	04	1/4-18	30.9	17	0.11
P-0405-MJIC	04	1/4	6.4	05	1/2-20	30.9	19	0.11
P-0406-MJIC	04	1/4	6.4	06	9/16-18	33.4	17	0.13
P-0605-MJIC	06	3/8	9.5	05	1/2-20	33.6	19	0.18
P-0606-MJIC	06	3/8	9.5	06	9/16-18	33.7	22	0.16
P-0608-MJIC	06	3/8	9.5	08	3/4-16	36.6	19	0.24
P-0808-MJIC	08	1/2	12.7	08	3/4-16	35.2	22	0.27



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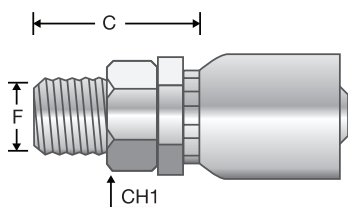


◀ SCAN OR VISIT  
[KOA.link/  
P-FJDH](https://KOA.link/P-FJDH)

### JIC FEMALE 37° SEAT

Part Number	Dash Size	Hose ID Size		F Thread		C Cut-Off Factor (mm)	Hex Diameter		Weight (lbs/each)
		(in)	(mm)	Dash Size	Size (in) - TPI		CH1 (mm)	CH2 (mm)	
P-0404-FJDH	04	1/4	6.4	04	7/16-20	27.8	16	16	0.14
P-0405-FJDH	04	1/4	6.4	05	1/2-20	27.2	16	19	0.16
P-0406-FJDH	04	1/4	6.4	06	9/16-18	26.8	16	19	0.15
P-0605-FJDH	06	3/8	9.5	05	1/2-20	29.8	16	19	0.22
P-0606-FJDH	06	3/8	9.5	06	9/16-18	29.8	19	19	0.20
P-0608-FJDH	06	3/8	9.5	08	3/4-16	30.6	19	24	0.22
P-0808-FJDH	08	1/2	12.7	08	3/4-16	33.9	22	24	0.32

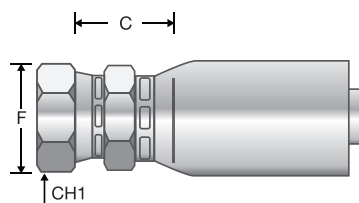
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**STAINLESS STEEL ONE-PIECE FITTINGS - P SERIES**

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P-MNPT-SS](https://koya.link/P-MNPT-SS)

**NPTF SOLID MALE 60° SEAT**

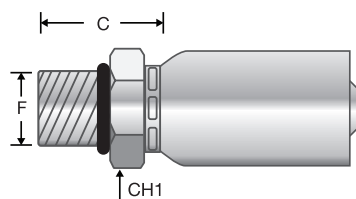
Part Number	Dash Size	Hose ID Size		F Thread		C Cut-Off Factor (mm)	Hex Dia. CH1 (mm)	Weight (lbs/each)
		(in)	(mm)	Dash Size	Size (in) - TPI			
P-0304-MNPT-SS	03	3/16	4.8	04	1/4-18	28.6	19	0.107
P-0404-MNPT-SS	04	1/4	6.4	04	1/4-18	28.6	22	0.117


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[KOA.link/  
P-FJDH-SS](https://koya.link/P-FJDH-SS)

**JIC FEMALE 37° SEAT**

Part Number	Dash Size	Hose ID Size		F Thread		C Cut-Off Factor (mm)	Hex Dia. CH1 (mm)	Weight (lbs/each)
		(in)	(mm)	Dash Size	Size (in) - TPI			
P-0304-FJDH-SS	03	3/16	4.8	04	7/16-20	19.1	17	0.113
P-0404-FJDH-SS	04	1/4	6.4	04	7/16-20	19.1	19	0.123


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P-MORB-SS](https://koya.link/P-MORB-SS)

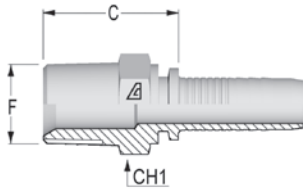
**SAE SOLID MALE O-RING BOSS**

Part Number	Dash Size	Hose ID Size		F Thread		C Cut-Off Factor (mm)	Hex Dia. CH1 (mm)	Weight (lbs/each)
		(in)	(mm)	Dash Size	Size (in) - TPI			
P-0304-MORB-SS	03	3/16	4.8	04	7/16-20	22.2	17	0.105
P-0404-MORB-SS	04	1/4	6.4	04	7/16-20	22.2	19	0.115

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## CARBON STEEL TWO-PIECE FITTINGS INSERTS – A SERIES



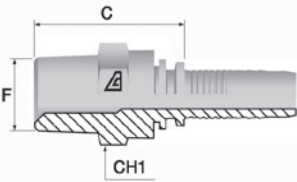
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A-MNPT](https://KOA.link/A-MNPT)

### NPTF SOLID MALE 60° SEAT

Part Number	Dash Size	Hose ID Size		F Thread		C Cut-Off Factor (mm)	Hex Dia. CH1 (mm)	Weight (lbs/each)
		(in)	(mm)	Dash Size	Size (in) - TPI			
A-0302-MNPT	03	3/16	4.8	02	1/8-27	19.8	12	0.03
A-0402-MNPT	04	1/4	6.4	02	1/8-27	21.3	14	0.04
A-0404-MNPT	04	1/4	6.4	04	1/4-18	26.8	17	0.06
A-0406-MNPT	04	1/4	6.4	06	3/8-18	27.8	19	0.08
A-0504-MNPT	05	5/16	7.9	04	1/4-18	26.8	17	0.07
A-0506-MNPT	05	5/16	7.9	06	3/8-18	27.8	19	0.11
A-0604-MNPT	06	3/8	9.5	04	1/4-18	26.8	17	0.07
A-0606-MNPT	06	3/8	9.5	06	3/8-18	27.8	19	0.09
A-0608-MNPT	06	3/8	9.5	08	1/2-14	31.3	22	0.15
A-0806-MNPT	08	1/2	12.7	06	3/8-18	28.6	19	0.12
A-0808-MNPT	08	1/2	12.7	08	1/2-14	32.1	22	0.17
A-0812-MNPT	08	1/2	12.7	12	3/4-14	34.1	27	0.22
A-1012-MNPT	10	5/8	15.9	12	3/4-14	34.1	27	0.24
A-1212-MNPT	12	3/4	19.0	12	1-11 1/2	34.6	27	0.26



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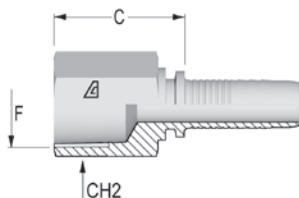
◀ SCAN OR VISIT  
[KOA.link/  
A-MNPS](https://KOA.link/A-MNPS)

### NPTF MALE SWIVEL 60° SEAT

Part Number	Dash Size	Hose ID Size		F Thread		C Cut-Off Factor (mm)	Hex Dia. CH1 (mm)	Weight (lbs/each)
		(in)	(mm)	Dash Size	Size (in) - TPI			
A-0404-MNPS	04	1/4	6.4	04	1/4-18	37.6	17	0.09
A-0604-MNPS	06	3/8	9.5	04	1/4-18	39.6	17	0.12
A-0606-MNPS	06	3/8	9.5	06	3/8-18	37.5	22	0.15
A-0806-MNPS	08	1/2	12.7	06	3/8-18	38.3	22	0.17
A-0808-MNPS	08	1/2	12.7	08	1/2-14	42.3	25	0.25
A-1212-MNPS	12	3/4	19.0	12	3/4-14	50.1	32	0.31

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.

## CARBON STEEL TWO-PIECE FITTINGS INSERTS – A SERIES



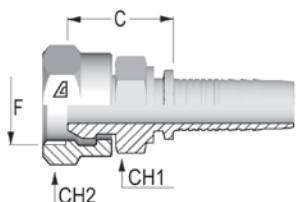
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**KOA.link/  
A-FNPR**

### NPTF SOLID FEMALE RIGID

Part Number	Dash Size	Hose ID Size		F Thread		C Cut-Off Factor (mm)	Hex Dia. CH2 (mm)	Weight (lbs/each)
		(in)	(mm)	Dash Size	Size (in) - TPI			
A-0404-FNPR	04	1/4	6.4	04	1/4-18	27.8	19	0.10
A-0606-FNPR	06	3/8	9.5	06	3/8-18	28.8	22	0.17
A-0808-FNPR	08	1/2	12.7	08	1/2-14	35.6	25	0.20
A-1212-FNPR	12	3/4	19.0	12	3/4-14	38.1	32	0.35



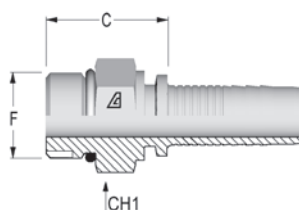
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◀ SCAN OR VISIT  
**KOA.link/  
P-FPMS**

### NPSM FEMALE SWIVEL 60° SEAT

Part Number	Dash Size	Hose ID Size		F Thread		C Cut-Off Factor (mm)	Hex Diameter		Weight (lbs/each)
		(in)	(mm)	Dash Size	Size (in) - TPI		CH1 (mm)	CH2 (mm)	
A-0404-FPMS	04	1/4	6.4	04	1/4-18	24.3	17	19	0.09
A-0606-FPMS	06	3/8	9.5	06	3/8-18	24.8	19	22	0.14
A-0808-FPMS	08	1/2	12.7	08	1/2-14	26.6	22	27	0.22



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**KOA.link/  
A-MORB**

### SAE SOLID MALE O-RING BOSS

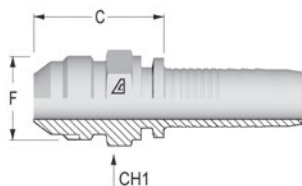
Part Number	Dash Size	Hose ID Size		F Thread		C Cut-Off Factor (mm)	Hex Dia. CH1 (mm)	Weight (lbs/each)
		(in)	(mm)	Dash Size	Size (in) - TPI			
A-0404-MORB	04	1/4	6.4	04	7/16-20	20.3	14	0.04
A-0405-MORB	04	1/4	6.4	05	1/2-20	21.3	16	0.05
A-0406-MORB	04	1/4	6.4	06	9/16-18	22.3	17	0.06
A-0606-MORB	06	3/8	9.5	06	9/16-18	23.3	19	0.08
A-0608-MORB	06	3/8	9.5	08	3/4-16	24.3	22	0.12
A-0610-MORB	06	3/8	9.5	10	7/8-14	26.8	27	0.16
A-0808-MORB	08	1/2	12.7	08	3/4-16	25.1	22	0.14
A-0810-MORB	08	1/2	12.7	10	7/8-14	27.6	27	0.19
A-0812-MORB	08	1/2	12.7	12	1 1/16-12	32.1	32	0.28
A-1210-MORB	12	3/4	19.0	10	7/8-14	28.1	27	0.24
A-1212-MORB	12	3/4	19.0	12	1 1/16-12	32.6	32	0.31
A-1216-MORB	12	3/4	19.0	16	1 5/16-12	35.7	38	0.44

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## CARBON STEEL TWO-PIECE FITTINGS INSERTS – A SERIES



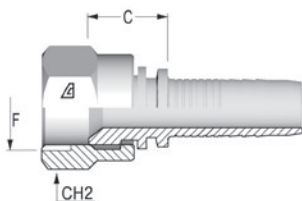
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◀ SCAN OR VISIT  
**KOA.link/  
A-MJIC**

### JIC SOLID MALE 37° SEAT

Part Number	Dash Size	Hose ID Size		F Thread		C Cut-Off Factor (mm)	Hex Dia. CH1 (mm)	Weight (lbs/each)
		(in)	(mm)	Dash Size	Size (in) - TPI			
A-0404-MJIC	04	1/4	6.4	04	7/16-20	25.3	12	0.04
A-0405-MJIC	04	1/4	6.4	05	1/2-20	25.3	14	0.05
A-0406-MJIC	04	1/4	6.4	06	9/16-18	26.3	17	0.06
A-0505-MJIC	05	5/16	7.9	05	1/2-20	25.3	14	0.05
A-0506-MJIC	05	5/16	7.9	06	9/16-18	26.3	17	0.07
A-0606-MJIC	06	3/8	9.5	06	9/16-18	26.3	17	0.07
A-0608-MJIC	06	3/8	9.5	08	3/4-16	29.8	19	0.11
A-0808-MJIC	08	1/2	12.7	08	3/4-16	29.8	19	0.12
A-0810-MJIC	08	1/2	12.7	10	7/8-14	34.6	24	0.19
A-0812-MJIC	08	1/2	12.7	12	1 1/16-12	37.1	27	0.23
A-1212-MJIC	12	3/4	19.0	12	1 1/16-12	37.6	27	0.27
A-1214-MJIC	12	3/4	19.0	14	1 3/16-12	40.1	32	0.36
A-1216-MJIC	12	3/4	19.0	16	1 5/16-12	42.6	36	0.54



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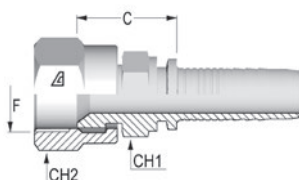
◀ SCAN OR VISIT  
**KOA.link/  
A-FJSH**

### JIC FEMALE 37° SEAT

Part Number	Dash Size	Hose ID Size		F Thread		C Cut-Off Factor (mm)	Hex Dia. CH2 (mm)	Weight (lbs/each)
		(in)	(mm)	Dash Size	Size (in) - TPI			
A-0304-FJSH	03	3/16	4.8	04	7/16-20	14.3	16	0.04
A-0404-FJSH	04	1/4	6.4	04	7/16-20	14.6	16	0.04
A-0405-FJSH	04	1/4	6.4	05	1/2-20	15.3	17	0.06
A-0406-FJSH	04	1/4	6.4	06	9/16-18	15.3	19	0.07
A-0505-FJSH	05	5/16	7.9	05	1/2-20	15.3	17	0.07
A-0506-FJSH	05	5/16	7.9	06	9/16-18	15.3	19	0.08
A-0606-FJSH	06	3/8	9.5	06	9/16-18	15.3	19	0.08
A-0608-FJSH	06	3/8	9.5	08	3/4-16	17.8	25	0.14
A-0808-FJSH	08	1/2	12.7	08	3/4-16	18.6	25	0.16
A-0810-FJSH	08	1/2	12.7	10	7/8-14	19.6	27	0.19
A-0812-FJSH	08	1/2	12.7	12	1 1/16-12	22.1	32	0.25
A-1210-FJSH	12	3/4	19.0	10	7/8-14	20.0	27	0.28
A-1212-FJSH	12	3/4	19.0	12	1 1/16-12	20.0	32	0.28
A-1214-FJSH	12	3/4	19.0	14	1 3/16-12	20.0	36	0.33
A-1216-FJSH	12	3/4	19.0	16	1 5/16-12	22.1	38	0.38

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## CARBON STEEL TWO-PIECE FITTINGS INSERTS – A SERIES



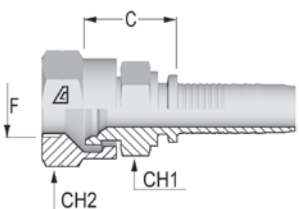
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**KOA.link/  
A-FJDH**

### JIC FEMALE 37° SEAT – DOUBLE HEX

Part Number	Dash Size	Hose ID Size		F Thread		C Cut-Off Factor (mm)	Hex Diameter		Weight (lbs/each)
		(in)	(mm)	Dash Size	Size (in) - TPI		CH1 (mm)	CH2 (mm)	
A-0404-FJDH	04	1/4	6.4	04	7/16-20	19.6	14	16	0.06
A-0405-FJDH	04	1/4	6.4	05	1/2-20	20.3	14	17	0.07
A-0406-FJDH	04	1/4	6.4	06	9/16-18	20.3	14	19	0.09
A-0506-FJDH	05	5/16	7.9	06	9/16-18	20.3	14	19	0.08
A-0606-FJDH	06	3/8	9.5	06	9/16-18	21.3	17	19	0.10
A-0608-FJDH	06	3/8	9.5	08	3/4-16	24.8	19	25	0.17
A-0610-FJDH	06	3/8	9.5	10	7/8-14	25.8	22	22	0.20
A-0806-FJDH	08	1/2	12.7	06	9/16-18	23.1	19	19	0.15
A-0808-FJDH	08	1/2	12.7	08	3/4-16	25.6	19	25	0.20
A-0810-FJDH	08	1/2	12.7	10	7/8-14	26.6	22	27	0.22
A-0812-FJDH	08	1/2	12.7	12	1 1/16-12	28.1	25	32	0.30
A-1210-FJDH	12	3/4	19.0	10	7/8-14	28.1	27	32	0.31
A-1212-FJDH	12	3/4	19.0	12	1 1/16-12	28.6	27	32	0.35
A-1214-FJDH	12	3/4	19.0	14	1 3/16-12	29.9	32	36	0.44
A-1216-FJDH	12	3/4	19.0	16	1 5/16-12	32.1	32	38	0.49



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A-FJIS**

### JIS FEMALE SWIVEL 30° SEAT – B 8363 TYPE F

Part Number	Dash Size	Hose ID Size		F Thread		C Cut-Off Factor (mm)	Hex Diameter		Weight (lbs/each)
		(in)	(mm)	Dash Size	Size (in) - TPI		CH1 (mm)	CH2 (mm)	
A-0404-FJIS	04	1/4	6.4	04	1/4-19	20.8	17	19	0.09
A-0606-FJIS	06	3/8	9.5	06	3/8-19	21.8	19	22	0.13
A-0808-FJIS	08	1/2	12.7	08	1/2-14	23.6	22	27	0.20
A-1212-FJIS	12	3/4	19.0	12	3/4-14	27.1	30	36	0.41

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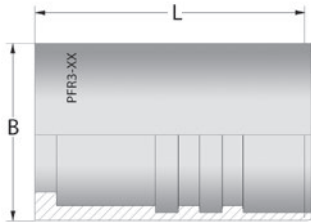
## CARBON STEEL TWO-PIECE FITTINGS FERRULES – FOR USE WITH A SERIES FITTINGS

### Piranhaflex™ Ferrules

View Up To Date Info

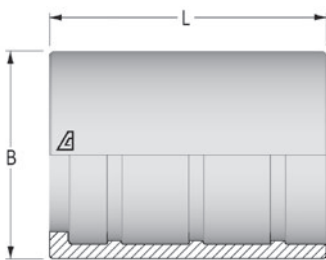


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[KOA.link/  
PF-Ferrules](https://KOA.link/PF-Ferrules)



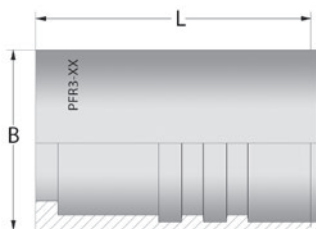
### PFR3 Series

Part Number	Dash Size	Hose ID Size		B OD (mm)	L Length (mm)	Weight Each (lbs)
		(in)	(mm)			
PFR3-04	04	1/4	6.4	14.8	28.9	0.03
PFR3-05	05	5/16	7.9	17.4	28.8	0.04
PFR3-06	06	3/8	9.5	19.0	28.8	0.04
PFR3-08	08	1/2	12.7	23.7	36.3	0.06



### AFX Series

Part Number	Dash Size	Hose ID Size		B OD (mm)	L Length (mm)	Weight Each (lbs)
		(in)	(mm)			
AFX-03	03	3/16	4.8	21	21.5	0.05
AFX-04	04	1/4	6.4	23	24.7	0.07
AFX-05	05	5/16	7.9	25	24.7	0.08
AFX-06	06	3/8	9.5	27	29.7	0.10
AFX-08	08	1/2	12.7	30	30.5	0.11
AFX-10	10	5/8	15.9	34	35.5	0.15
AFX-12	12	3/4	19.0	38	36.0	0.17
AFX-16	16	1	25.4	48	42.5	0.28



### PFR / PFR7 Series

Universal Ferrules for SAE 100R7, 100R8, 100R18 & ANSI 92.2 Hoses (Steel)

Part Number	Dash Size	Hose ID Size		B OD (mm)	L Length (mm)	Weight Each (lbs)
		(in)	(mm)			
PFR-03	03	3/16	4.7	14.9	24.0	0.03
PFR-04	04	1/4	6.4	17.0	29.0	0.04
PFR7-05*	05	5/16	7.9	19.0	29.0	0.04
PFR-06	06	3/8	9.5	19.0	31.0	0.05
PFR-08	08	1/2	12.7	25.4	36.0	0.06
PFR-12	12	3/4	19.1	31.8	45.2	0.11

\* PFR7-05 ferrules are to be used only with SAE 100R7 hoses!

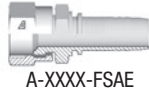
Kuriyama stocks a variety of fittings designed for use with all of our Piranhaflex™ SAE 100R7, 100R8, 100R18 and ANSI 92.2 hoses. For more information contact your nearest Kuriyama warehouse location. Please refer to our latest Kuriyama Hydraulic Connections Catalog for a complete list of available two-piece fittings.

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## ADDITIONAL CARBON STEEL TWO-PIECE FITTINGS FERRULES



**VIEW  
ONLINE**



SAE Female 45° Seat – Double Hex

A-XXXX-FSAE



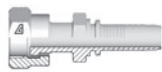
Other Configurations Available: A-XXXX-FJ9 (S,M,L)

45° & 90° JIC Female Swivel 37° Seat Solid Bent Tube



ORFS Solid Male

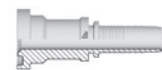
A-XXXX-MOFS



Other Configurations Available: A-XXXX-F045, A-XXXX-F09 (S,M,L)

A-XXXX-FOFS

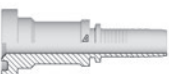
Straight, 45° & 90° ORFS Female



A-XXXX-C61S

Other Configurations Available: A-XXXX-C612, A-XXXX-C613, A-XXXX-C614, A-XXXX-C616, A-XXXX-C619

Straight, 22°, 30°, 45°, 60° & 90° O-Ring Flange SAE J518 Code 61, 62



A-XXXX-C62S

Other Configurations Available: A-XXXX-C624, A-XXXX-C629

Straight, 45° & 90° O-Ring Flange SAE J518 Code 62 Solid One Piece

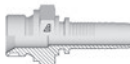


C61SF-XX, C62SF-XX

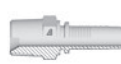
Split Flange Clamps SAE J518 Code 61 & 62



A-XXXX-MBPP  
Hose Mender



A-XXXX-MBFS  
Grease Fitting



A-XXXX-MBPT  
Bite Type Tube Fitting



A-XXXX-HMEN

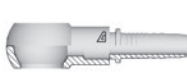


A-XXXX-FGRT

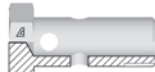


A-XXXX-BTTF

BSP/JIS Solid Male



A-XXXX-BBAN  
BSP Banjo



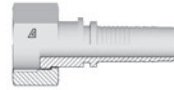
BBOLT-XX  
BSPP Bolt



A-XXXX-FBPO

Other Configurations Available: A-XXXX-C624, A-XXXX-C629

Straight, 45° & 90° O-Ring Flange SAE J518 Code 62 Solid One Piece

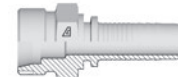


A-XXXX-FBFS

BSP Female Swivel Flat Seat



A-XXXX-MMSL



A-XXXX-MMSH

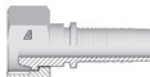
Metric Solid Male 24° Seat – DIN 3853 Light & Heavy



A-XXXX-MBAN  
Metric Banjo



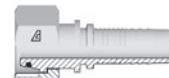
MBOLT-XX  
Metric Bolt



A-XXXX-FMOL

Other Configurations Available: A-XXXX-FM4L, A-XXXX-FM9L

Straight, 45° and 90° Metric O-Ring Female Swivel 24° Seat – DIN 3865 Light



A-XXXX-FMOH

Other Configurations Available: A-XXXX-FM4H, A-XXXX-FM9H

Straight, 45° and 90° Metric O-Ring Female Swivel 24° Seat – DIN 3865 Heavy



A-XXXX-MSPS

Other Configurations Available: A-XXXX-MSP4, A-XXXX-MSP9

Straight, 45° & 90° Metric Standpipe



MTN-XXLXXXX, MTN-XXHXXXX

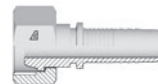
Nut DIN 24° Light and Heavy



MBS-XXL, MBS-XXH

Double Cutting Ring DIN 24° Light & Heavy

A-XXXX-FMFS



Metric Female French Type



A-XXXX-FKOS

Other Configurations Available: A-XXXX-KFST, A-XXXX-KF45, A-XXXX-KF90

Katsuta Female Swivel & Straight, 45° & 90° Flanges



A-XXXX-FPWS

Pressure Wash Female (Type K)

Please refer to our latest Kuriyama Hydraulic Connections catalog for a complete list of available two-piece fittings.

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.





## P400 Portable Service Crimper

ONLY  
**47** lbs

Hose Capacity (in)		Crimping Force (ton)
2 Wire	1	35
4 SP	3/4	
90° Fittings	1	
Industrial	1	
Crimper Size		
L x W x H (in)		12 1/2 x 12 1/2 x 24
Weight (lbs)		47
Part Number	Power Input	
P400	Hand, Air or Electric Pump	
Die Series	Die Range (mm)	
P402	12-22.2	

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**KOA.link/  
P400**

### INCLUDED ACCESSORIES



Die Removal Magnet  
P/N: 104679



CRIMPX Die Lubricant:  
Oil 4 oz bottle with  
dauber cap  
P/N: 103886

### DESCRIPTION

The P400 Portable crimper is light weight and can be carried to almost any location where service is required. It can be paired with either a Hand Pump, Pneumatic Pump or Electric Pump.

### ENGINEERED TO ACCOMMODATE YOUR NEEDS

- 35 Tons of crimping force
- Hose capacity up to 1" 2 wire and 3/4" 4 SP
- Available ValPower® Hand Pump, Pneumatic Pump 10,000 psi or Electric Pump
- Removable Pusher and 2 piece PF402 rubber caged die set make accurate fitting positioning easy
- PF402 rubber caged dies sets for heavy duty environments
- Color-coded die rubber cages for easy identification
- Base mounting holes allow the crimper to be bench or truck bed mounted if required

### OPTIONAL ACCESSORIES



T420 Micrometer  
P/N: 103085



Hand Pump  
P/N: VHP-10-43



Pneumatic Pump  
P/N: VAP-10-100



Electric Pump  
P/N: VEP1001



CRIMPX Die Lubricant  
Grease 4 oz can with  
brush  
P/N: 104162



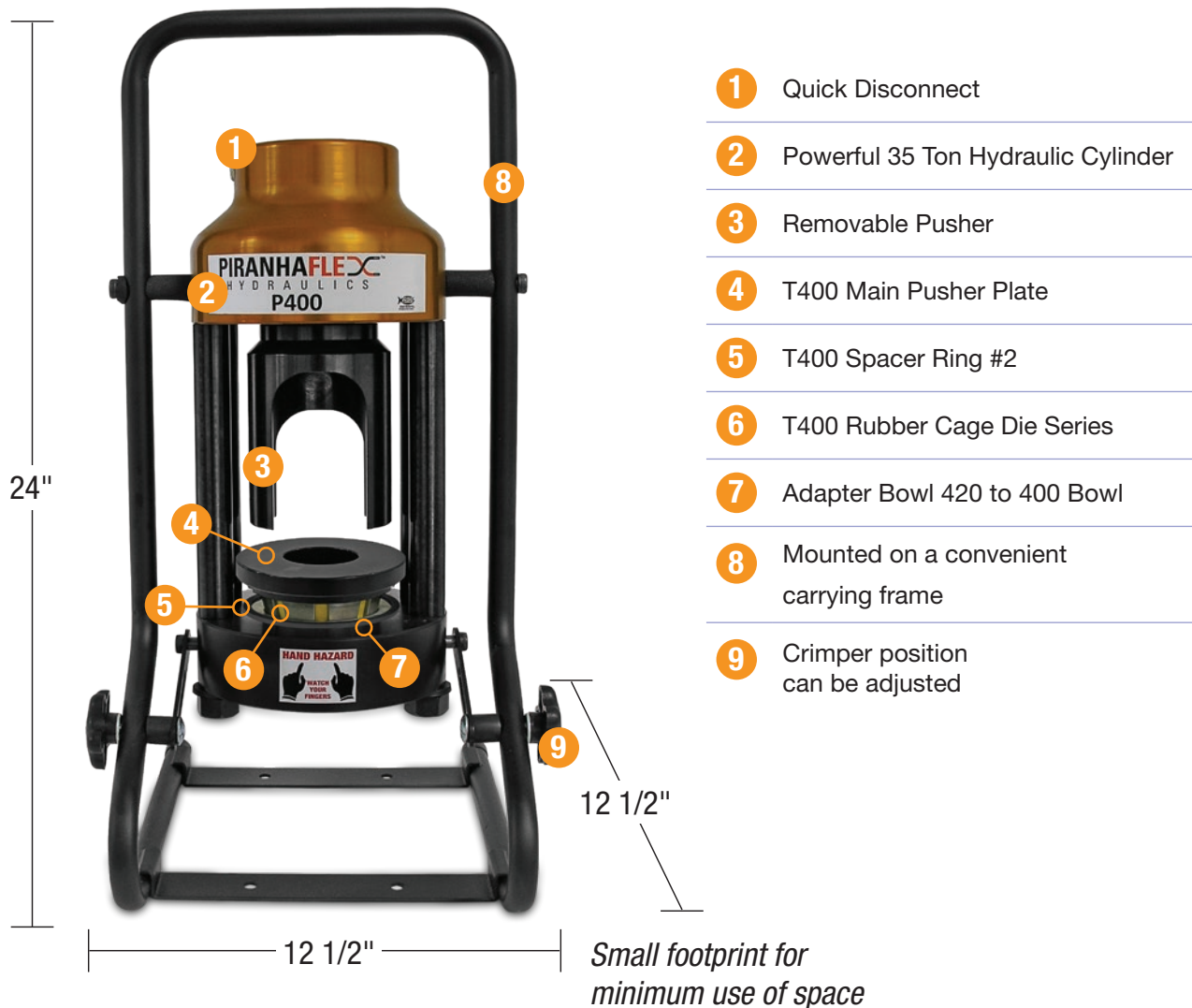
Die Storage Shelf  
P/N: 101431

For the latest Piranhaflex crimp specifications, visit [KOA.link/PF-Crimp-Specs](http://KOA.link/PF-Crimp-Specs)

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## P400

### Portable Service Crimper



#### DURABLE, RELIABLE DESIGN = PROFITABILITY

- Crimper position can be adjusted for optimum crimping position or dropped to vertical position for better balance when the crimper is being carried.
- Open design to provide excellent operator visibility.
- Complete range of dies and accessories available.

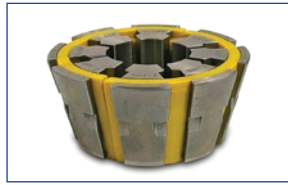
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## P402 Dies and Tooling

The following P402 Series dies are designed to work with the P400 crimper.



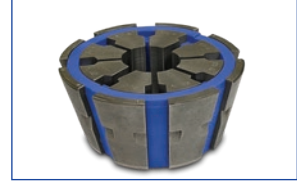
T400 12mm Die Set  
P/N: PF402-12D



T400 14.2mm Die Set  
P/N: PF402-14.2D



T400 17.4mm Die Set  
P/N: PF402-17.4D



T400 22.2mm Die Set  
P/N: PF402-22.2D



Adapter Bowl 420 to 400 Bowl  
P/N: PF420/400-AB



T400 Main Pusher Plate  
W/ Magnets  
P/N: PF400-MPP



T400 Spacer Ring #1  
P/N: PF402-1-SR



T400 Spacer Ring #2  
P/N: PF402-2-SR

In addition, the P402 dies are designed to work with the T400 series of crimpers shown below:



### LIGHT WEIGHT PORTABLE UNIT:

Truly "portable" crimper can be carried to almost any location where services is required.

### ENGINEERED TO ACCOMMODATE YOUR NEEDS

- 2 piece PF402 rubber caged die set make accurate fitting positioning easy.
- PF402 rubber caged dies sets for heavy duty environments.
- Color-coded die rubber cages for easy identification.



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## HCMD

Medium Hose and Tubing Cutter

## HCLG

Large Hose and Tubing Cutter

## HCRCT

One Handed Ratchet Hose Cutter

### FEATURES AND ADVANTAGES

- HCMD – Cuts up to 1 5/8" Hose and Tubing  
Weight 4.3 oz.
- HCLG – Cuts up to 1 7/8" OD Hose and Tubing  
Weight 5.0 oz.
- HCRCT – Cuts up to 2 1/2" OD Hoses  
Weight 1.4 lbs.

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[KOA.link/  
Hose-Cutters](https://koi.link/Hose-Cutters)



## Replacement Blades

### HCMD-BLADE

Replacement blade for Medium Cutter  
*Medium Hose and Tubing Cutter*

### HCLG-BLADE

Replacement blade for Large Cutter  
*Large Bundle - Hose - Tubing Cutter*

### HCRCT-BLADE

Replacement blade for One Handed Ratchet Cutter  
*Large Bundle - Hose - Tubing Cutter*

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